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DIALOG(R) File 351:Derwent WPI
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Catalyst for polymerising alpha-olefin - contg. metal oxide, magnesium, titanium, halogen and electron donor cpd., organometallic cpd. and silane cpd.

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Number of Countries: 001 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
<u>JP 3033103</u>	A	19910213	JP 89167119	A	19890630	199113 B
JP 2719963	B2	19980225	JP 89167119	A	19890630	199813

Priority Applications (No Type Date): JP 89167119 A 19890630

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 3033103	A		16		
JP 2719963	B2		8	C08F-010/00	Previous Publ. patent JP 3033103

Abstract (Basic): JP 3033103 A

The catalyst consists of (A) a solid catalyst component contg. a metal oxide, magnesium, titanium, halogen and an electron donative cpd., (B) an organometallic cpd. and (C) a dimethoxy gp. contg. silane cpd. of formula: $R_1R_2Si(OCH_3)_2$ ($R_1, R_2 = 1-10C$ aliphatic hydrocarbon gp.). The volume calculated by quantum chemistry calculation is 170-500 or 200-500 cubic Angstroms and the electron density of oxygen atom of methoxy gp. is 0.690-0.800 A.U. (atomic unit) or 0.685-0.800 A.U., respectively.

USE/ADVANTAGE - A stereoregular alpha-olefin polymer is produced in high polymerisation activity by using the catalyst not contg. an aromatic gp. contg. silane cpd. producing an injurious material. (16pp Dwg.No.0/0)

Derwent Class: A17; A60

International Patent Class (Main): C08F-010/00

International Patent Class (Additional): C08F-004/65; C08F-004/658

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